

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Currently Amended) A router device comprising:

a connection processing section for performing a connection process with a base station in an external network;

a lower-layer information acquisition section for acquiring connection information with the base station, from the connection processing section; and

a route judgment section for judging, when receiving a packet destined for a communication device in an external network from a radio terminal device in a same local network, the base station as a transfer destination regardless of information stored in a routing table in a case of the connection information acquired from the lower-layer information acquisition section is indicative ~~being indicative~~ of a connection with the base station, and judging a transfer destination by looking up ~~a routing table~~ the routing table in a case of the connection information is indicative ~~being indicative~~ of a non-connection with the base station.

2. (Currently Amended) A router device according to claim 1, further including

a buffer for storing received data and

a connection instructing section for instructing the connection processing section to have a connection with the base station,

wherein the lower-layer information acquisition section further acquires connection information of whether or not it is connectable with the base station of the external network, and

when the route judgment section receives a packet destined for a communication device of the external network from a radio terminal device in the same local network, in a case of the connection information of from the lower-layer information acquisition section is indicative of being not connected with but connectable with the base station, the received packet is held in the buffer, and the received data in the buffer is transferred to the base station after the connection instructing section instructed the connection processing section to have a connection with the base station and the connection processing section completes ~~a connection~~ the connection with the base station.

3. (Currently Amended) A router device comprising:

a mobile IP processing section for registering a position to a home agent device set up on the Internet; and

a route judgment section for judging, when receiving a packet destined for a communication device in an external network from a radio terminal device in a same local network, the home agent apparatus as a transfer destination regardless of information stored in a routing table in a case ~~there is of~~ an entry for the home agent device being within a binding update list of the mobile IP processing section, and judging a transfer destination by looking up a routing table in a case ~~there is of~~ no entry for the home agent device being within ~~a binding~~ the binding update list.

4. (Currently Amended) A router device according to claim 1, wherein the route judgment section, in a case of a next hop router is given as another router device in the same local network when looking up a routing table, inquires of a radio terminal device, as a source of the received packet, whether to transfer the received packet to the next hop router.

5. (Original) A router device according to claim 4, wherein the route judgment section transfers the received packet to the next hop router in a case of a response for permission from the radio terminal device and discards the received packet in a case of a response for non-permission.

6. (Currently Amended) A communication method on a local network having a plurality of radio terminal devices and a plurality of router devices for

communication with a communication device existing on the Internet, the communication method comprising ~~characterized in that~~:

transferring, by the router device, when receiving a packet from a radio terminal device in a same local network during connection with a base station external of the local network, ~~transfers~~ the packet received to the external base station with which the router device itself is connected, regardless of a content of a routing table.

7. (Currently Amended) A communication method comprising:

a step of transmitting a packet destined for a communication device in an external network, from a radio terminal device within a same local network to a router device;

a step of detecting a connection state ~~of~~ between the router device and the base station of the external network when the router device received the packet; and

a step of transferring the packet to the base station in a case of the router device being connected with the base station regardless of information stored in a routing table, and transferring the packet according to ~~a routing~~ the routing table in a case of the router not being connected to the base station.

8. (Currently Amended) A communication method comprising:

a step of transmitting a packet destined for a communication device in an external network, from a radio terminal device within a same local network to a router device;

a step of detecting a connection state ~~of~~ between the router device and the base station of the external network when the router device received the packet; and

a step of transferring the packet to the base station in a case of the router device being connected with the base station regardless of information stored in a routing table and judging whether or not the router device is in a connectable state with the base station external of the local network in a case of the router device not being connected to the base station, whereby connection processing is performed with

the base station when the router device and base station are connectable and the packet is transferred according to ~~a routing~~ the routing table when the router device and base station are not connectable.

9. (Currently Amended) A communication method on a local network having a plurality of radio terminal devices and a plurality of router devices for communication with a communication device existing on the Internet, the communication method ~~characterized in that~~ comprising:

the router device, when receiving a packet from a radio terminal device in a same local network in a case ~~there is of~~ an entry for a home agent device being in a binding update list, transferring the packet received to the communication device via the home agent device through use of reverse tunneling based on mobile IP, regardless of a content of a routing table.

10. (Currently Amended) A communication method comprising:

a step that a router device registers a position to a home agent device existing on the Internet;

a step of transmitting a packet destined for a communication device in an external network, from a radio terminal device in a same local network to the router device; and

a step that, when the router device received the packet, the packet is transferred to the communication device via a home agent device by use of reverse tunneling based on mobile IP regardless of information stored in a routing table in a case ~~there is of~~ an entry for ~~a home~~ the home agent device being within a binding update list of the router device, and transferred according to ~~a routing~~ the routing table in a case ~~there is of~~ no entry for the home agent device being within the binding update list.

11. (Currently Amended) A router device according to claim 2, wherein the route judgment section, in a case of a next hop router is given as another router device in the same local network when looking up a routing table, inquires of a radio

terminal device, as a source of the received packet, whether to transfer the received packet to the next hop router.

12. (Currently Amended) A router device according to claim 3, wherein the route judgment section, in a case of a next hop router is given as another router device in the same local network when looking up a routing table, inquires of a radio terminal device, as a source of the received packet, whether to transfer the received packet to the next hop router.

13. (Previously Presented) A router device according to claim 11, wherein the route judgment section transfers the received packet to the next hop router in a case of a response for permission from the radio terminal device and discards the received packet in a case of a response for non-permission.

14. (Previously Presented) A router device according to claim 12, wherein the route judgment section transfers the received packet to the next hop router in a case of a response for permission from the radio terminal device and discards the received packet in a case of a response for non-permission.

15. (New) A router device according to claim 2, wherein, when the router device is not connected with the base station, the connection instructing section checks whether the router is in a connectable status according to information indicative of signal reception intensity from the base station and a connection is established when the router is in the connectable status.